888 Item Maintenance

Functional Group ID=QG

Introduction:

This Draft Standard for Trial Use provides the format and establishes the data contents of the Item Maintenance Transaction Set (888) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set is used to enable a manufacturer, supplier, broker, or agent to provide detailed finished goods product information to a partner in a consumer goods market. This transaction set can be used to provide information about new products or changes in existing product specifications. Price changes will not be sent with this transaction set, but can be sent with the Price Change Transaction Set (879).

Notes:

1. Organizations use this transaction set to provide storage facilities with data record changes for items of supply.

2. Use a single occurrence of this transaction set to transmit record changes to one or more storage facilities. Use one occurrence of this transaction set to transmit a single or multiple transactions.

3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	015	BGN	Beginning Segment	O	1		
			LOOP ID - 0100			>1	
Must Use	020	N1	Name	M	1		n1
Not Used	030	N2	Additional Name Information	O	1		
Not Used	040	N3	Address Information	O	2		
Not Used	050	N4	Geographic Location	O	1		
Not Used	060	N9	Reference Identification	O	10		
Not Used	070	G61	Contact	O	3		
Not Used	080	NTE	Note/Special Instruction	O	20		
Not Used	085	G93	Price Bracket Identification	O	50		
Must Use	086	G62	Date/Time	M	1		
			LOOP ID - 0200			>1	
Must Use	090	LM	Code Source Information	O	1		
Must Use	100	LQ	Industry Code	M	100		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - 0300			>1	
Must Use	010	G53	Maintenance Type	M	1		
Must Use	020	G62	Date/Time	M	3		n2
Not Used	030	NTE	Note/Special Instruction	O	20		
			LOOP ID - 0310			>1	
Must Use	040	G39	Item Characteristics - Vendor's Selling Unit	M	1		
Not Used	050	G69	Line Item Detail - Description	O	5		
Not Used	055	QTY	Quantity	O	>1		
Not Used	060	G23	Terms of Sale	O	10		
Not Used	070	G62	Date/Time	O	2		
Not Used	080	G36	Price List Reference	O	1		
Not Used	090	G26	Pricing Conditions	O	2		
Not Used	100	G43	Promotion/Price List Area	O	9999		
Not Used	110	G24	Promotion Reference	O	999		
Not Used	120	G40	Bracket Price	O	99		
Not Used	130	G93	Price Bracket Identification	O	50		
Not Used	135	G22	Pricing Information	O	5		
Not Used	140	G46	Promotion Allowance/Charge	O	99		
Not Used	145	H1	Hazardous Material	O	5		
Not Used	150	G54	Module Description	O	99		
Must Use	151	N9	Reference Identification	O	10		
Not Used	152	UIT	Unit Detail	O	10		
	153	MEA	Measurements	O	10		
Not Used	154	TD1	Carrier Details (Quantity and Weight)	O	1		
			LOOP ID - 0311			>1	
Must Use	156	N1	Name	O	1		
Not Used	157	N2	Additional Name Information	O	2		
Not Used	158	N3	Address Information	O	2		
Not Used	159	N4	Geographic Location	O	1		
Not Used	160	PAL	Pallet Information	O	>1		
			LOOP ID - 0312			>1	
Not Used	165	G55	Item Characteristics - Consumer Unit	O	1		
Not Used	170	G69	Line Item Detail - Description	O	5		
			LOOP ID - 0313			>1	
Must Use	180	LM	Code Source Information	O	1		
Must Use	190	LQ	Industry Code	M	100		
Must Use	200	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1.   One iteration of the N1 loop should be used to identify the buying party (BY) to establish the area or location for which the item maintenance applies.

2. The G62 segment is used to specify the effective date for the item maintenance action reflected in G5301.

Segment:	$\textbf{ST}$ **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**ST01**	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			888 X12.269 - Item Maintenance (UCS)		
Must Use	**ST02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
			A unique number assigned by the originator of the transaction set, or the originator's application program.		

Segment:	**BGN** Beginning Segment	
Position:	015	
Loop:		
Level:	Heading	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To indicate the beginning of a transaction set	
Syntax Notes:	1	If BGN05 is present, then BGN04 is required.
Semantic Notes:	1	BGN02 is the transaction set reference number.
	2	BGN03 is the transaction set date.
	3	BGN04 is the transaction set time.
	4	BGN05 is the transaction set time qualifier.
	5	BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BGN01	353	**Transaction Set Purpose Code**	M	ID 2/2

Code identifying purpose of transaction set

00	Original
77	Simulation Exercise

Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BGN02	127	**Reference Identification**	M	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use code "Z" for this data element to satisfy mandatory X12 syntax requirements.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BGN03	373	**Date**	M	DT 6/6

Date (YYMMDD)

This date corresponds to the Universal Time Coordinate (UTC).

	Ref. Des.	Data Element	Name	Attributes	
Not Used	BGN04	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths

(00-99)

| **Not Used** | **BGN05** | **623** | **Time Code** | **O** | **ID 2/2** |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| **Not Used** | **BGN06** | **127** | **Reference Identification** | **O** | **AN 1/30** |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| **Must Use** | **BGN07** | **640** | **Transaction Type Code** | **O** | **ID 2/2** |

Code specifying the type of transaction

    A1   Storage Item Data Change

| **Not Used** | **BGN08** | **306** | **Action Code** | **O** | **ID 1/2** |

Code indicating type of action

Refer to 003060 Data Element Dictionary for acceptable code values.

| **Not Used** | **BGN09** | **786** | **Security Level Code** | **O** | **ID 2/2** |

Code indicating the level of confidentiality assigned by the sender to the information following

Refer to 003060 Data Element Dictionary for acceptable code values.

Segment:	**N1** Name	
Position:	020	
Loop:	0100	Mandatory
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.
Notes:	*Must use this 1/N1/020 loop to identify the organization originating the transaction set.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

KA		Item Manager

The address of the person responsible for the management of an item of supply

Must use to identify the Inventory Control Point (ICP) or Integrated Material Manager (IMM) that provides the storage facility with data record changes.

	Ref. Des.	Data Element	Name		Attributes
Not Used	N102	93	**Name**	**X**	**AN 1/35**

Free-form name

	Ref. Des.	Data Element	Name		Attributes
Must Use	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
M4	Department of Defense Routing Identifier Code (RIC)

An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions

| **Must Use** | **N104** | **67** | **Identification Code** | **X** | **AN 2/20** |

Code identifying a party or other code

| **Not Used** | **N105** | **706** | **Entity Relationship Code** | **O** | **ID 2/2** |

Code describing entity relationship

| **Must Use** | **N106** | **98** | **Entity Identifier Code** | **O** | **ID 2/2** |

Code identifying an organizational entity, a physical location, or an individual

FR   Message From

Must use in conjunction with 1/N101/020 code KA to indicate the organization cited in 1/N104/020 is originating the transaction set.

Segment:	**G62** Date/Time	
Position:	086	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of G6201 or G6203 is required.
	2	If either G6201 or G6202 is present, then the other is required.
	3	If either G6203 or G6204 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*Must use to identify the time of transaction set preparation.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6201	432	**Date Qualifier**	X	**ID 2/2**
			Code specifying type of date		
Not Used	G6202	373	**Date**	X	**DT 6/6**
			Date (YYMMDD)		
Must Use	G6203	176	**Time Qualifier**	X	**ID 1/2**
			Code specifying the reported time		
			W Effective Time		
Must Use	G6204	337	**Time**	X	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

1. Use to identify the time of transaction set preparation in UTC.

2. Express time in a four-position (HHMM) format.

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6205	623	**Time Code**	O	**ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name		Attributes
Not Used	G6206	624	**Century**	O	**N0 2/2**

The first two characters in the designation of the year (CCYY)

Segment: **LM** Code Source Information

Position:	090	
Loop:	0200	Optional (Must Use)
Level:	Heading	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To transmit standard code list identification information	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** LM02 identifies the applicable industry code list source information.	
Notes:	*Must use this 1/LM/090 loop to identify coded information maintained in department or agency documentation.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**LM01**	**559**	**Agency Qualifier Code**	**M**	**ID 2/2**
			Code identifying the agency assigning the code values		
			DF Department of Defense (DoD)		
Not Used	**LM02**	**822**	**Source Subqualifier**	**O**	**AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier		

Segment:	**LQ** Industry Code	
Position:	100	
Loop:	0200	Optional (Must Use)
Level:	Heading	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	1 If LQ01 is present, then LQ02 is required.	
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LQ01	1270	**Code List Qualifier Code**	O	ID 1/3
			Code identifying a specific industry code list		
			0 Document Identification Code		
			Codes that subclassify a transaction		
Must Use	LQ02	1271	**Industry Code**	X	AN 1/30
			Code indicating a code from a specific industry code list		

Segment:	**G53** **Maintenance Type**
Position:	010
Loop:	0300 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify the specific type of item maintenance
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	G5301	875	**Maintenance Type Code**	M ID 3/3

Code identifying the specific type of item maintenance

001 Change

Use to identify catalog information changes.

Segment:	**G62** Date/Time	
Position:	020	
Loop:	0300	Mandatory
Level:	Detail	
Usage:	Mandatory	
Max Use:	3	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of G6201 or G6203 is required.
	2	If either G6201 or G6202 is present, then the other is required.
	3	If either G6203 or G6204 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*Use to identify the date all indicated changes are effective.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	G6201	432	**Date Qualifier**	X	**ID 2/2**
			Code specifying type of date		
			07	Effective Date	
			BB	Transaction Control Date	
				The date when a transaction was prepared	
			Use to identify the date of transaction preparation.		
Must Use	G6202	373	**Date**	X	**DT 6/6**
			Date (YYMMDD)		
Not Used	G6203	176	**Time Qualifier**	X	**ID 1/2**
			Code specifying the reported time		
Not Used	G6204	337	**Time**	X	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	G6205	623	**Time Code**	O	**ID 2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	G6206	624	**Century**	O	**N0 2/2**
			The first two characters in the designation of the year (CCYY)		

Segment:	**G39** Item Characteristics - Vendor's Selling Unit	
Position:	040	
Loop:	0310 Mandatory	
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit	
Syntax Notes:	1	At least one of G3901 or G3902 is required.
	2	If either G3902 or G3903 is present, then the other is required.
	3	If any of G3905 G3906 or G3907 is present, then all are required.
	4	If either G3906 or G3907 is present, then the other is required.
	5	If either G3908 or G3909 is present, then the other is required.
	6	If either G3910 or G3911 is present, then the other is required.
	7	If either G3912 or G3913 is present, then the other is required.
	8	If either G3914 or G3915 is present, then the other is required.
	9	If either G3918 or G3919 is present, then the other is required.
	10	If either G3923 or G3924 is present, then the other is required.
	11	If either G3925 or G3926 is present, then the other is required.
Semantic Notes:	1	G3905 is the gross weight of the vendor's selling unit.
Comments:		
Notes:	*Use the 2/G39/040 loop to identify specific changes contained in the transaction.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Not Used	G3901	438	**U.P.C. Case Code**	**X**	**AN 12/12**

Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5)

	Ref. Des.	Data Element	Name	Attributes	
Must Use	G3902	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Use only one of codes A1, A2, A4, FB, FS, MG, or YP to identify the material affected by the catalog/stock list change. Must use the National Stock Number (NSN) when known.

A1   Plant Equipment Number

          Item identifier is a plant equipment number

          Use to identify plant equipment.

A2   Department of Defense Identification Code (DoDIC)

          Qualifies a code that uniquely identifies a type of explosive or ammunition

          Use to identify ammunition items.

A4   Subsistence Identification Number

			Item identifier is a brand-name resale subsistence item		
			Use to identify subsistence items.		
	FB		Form Number		
			Use to identify the form stock number.		
	FS		National Stock Number		
			Must use the NSN when known.		
	MG		Manufacturer's Part Number		
			Use to identify nonstandard material.		
	YP		Publication Number		
			Use to identify the publication stock number.		

Must Use	G3903	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	G3904	152	**Special Handling Code**	O	**ID 2/3**
			Code specifying special transportation handling instructions		
Not Used	G3905	395	**Unit Weight**	X	**R 1/8**
			Numeric value of weight per unit		
Not Used	G3906	187	**Weight Qualifier**	X	**ID 1/2**
			Code defining the type of weight		
Not Used	G3907	188	**Weight Unit Code**	X	**ID 1/1**
			Code specifying the weight unit		
	G3908	65	**Height**	X	**R 1/8**
			Vertical dimension of an object measured when the object is in the upright position		
			Cite the number "1" to satisfy syntax requirements.		
	G3909	355	**Unit or Basis for Measurement Code**	X	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Use to identify the original unit of measure for the reported item. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.		
Not Used	G3910	189	**Width**	X	**R 1/8**
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
Not Used	G3911	355	**Unit or Basis for Measurement Code**	X	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	G3912	82	**Length**	X	**R 1/8**
			Largest horizontal dimension of an object measured when the object is in the upright position		
Not Used	G3913	355	**Unit or Basis for Measurement Code**	X	**ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	G3914	183	**Volume**	X	R 1/8

Value of volumetric measure

Not Used	G3915	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	G3916	416	**Pallet Block and Tiers**	O	N0 6/6

Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet

Not Used	G3917	356	**Pack**	O	N0 1/6

Number of inner pack units per outer pack unit

Not Used	G3918	357	**Size**	X	R 1/8

Size of supplier units in pack

Not Used	G3919	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	G3920	397	**Color**	O	AN 1/10

Free-form description of color

Not Used	G3921	398	**Order Sizing Factor**	O	R 1/10

A product specification other than gross or net weight, or cubic feet for a line item or transaction used for order sizing and pricing purposes

Not Used	G3922	876	**Alternate Tiers per Pallet**	O	ID 1/3

Number indicating the alternate tiers per pallet structure; the three digits represent the number of tiers per pallet

	G3923	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

ZB   Commercial and Government Entity (CAGE) Code

A code that identifies a commercial contractor authorized to do business with the U.S. government

Use with 2/G3902/040 code MG to uniquely identify a manufacturer's part number.

	G3924	234	**Product/Service ID**	X	AN 1/40

Identifying number for a product or service

Not Used	G3925	187	**Weight Qualifier**	X	ID 1/2

Code defining the type of weight

Not Used	G3926	395	**Unit Weight**	X	R 1/8

Numeric value of weight per unit

Not Used	G3927	810	**Inner Pack**	O	N0 1/6

Number of units in each selling pack

Segment:	**N9** Reference Identification	
Position:	151	
Loop:	0310 Mandatory	
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	10	
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier	
Syntax Notes:	1 At least one of N902 or N903 is required.	
	2 If N906 is present, then N905 is required.	
	3 If either C04003 or C04004 is present, then the other is required.	
	4 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 N906 reflects the time zone which the time reflects.	
	2 N907 contains data relating to the value cited in N902.	
Comments:		
Notes:	*1. Must use at least one repetition to provide the transaction number.*	
	2. May use a second repetition to provide new material identification.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

Use only one of 1I, EQ, FQ, MF, NS, S6, or XD to identify the new material identification number.

1I	Department of Defense Identification Code (DoDIC)	

Qualifies a code that uniquely identifies a type of explosive or ammunition

Use to identify ammunition items.

EQ	Equipment Number	

Use to identify plant equipment.

FQ	Form Number	

Use to identify the form stock number.

MF	Manufacturers Part Number	

Use to identify nonstandard material.

NS	National Stock Number	

Must use the NSN when known.

S6	Stock Number	

Use to identify the publication stock number.

TN	Transaction Reference Number	

Use to identify the transaction number for each

			transaction.		
	XD		Subsistence Identification Number		
			Item identifier is a brand-name resale subsistence item		
			Use to identify subsistence items.		
Must Use	**N902**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
			Free-form descriptive text		
Not Used	**N904**	**373**	**Date**	**O**	**DT 6/6**
			Date (YYMMDD)		
Not Used	**N905**	**337**	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	**N906**	**623**	**Time Code**	**O**	**ID 2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	N907	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Must Use	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
	W7		Commercial and Government Entity (CAGE) Code		
			Code that identifies a commercial contractor authorized to do business with the U.S. Government		
			Use with 2/N901/151 code MF to uniquely identify a manufacturer's part number.		
Must Use	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

Not Used   **C04006**   **127**   **Reference Identification**   **X**   **AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment:	# MEA **Measurements**	
Position:	153	
Loop:	0310	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)	
Syntax Notes:	**1**	At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2	If MEA05 is present, then MEA04 is required.
	3	If MEA06 is present, then MEA04 is required.
	4	If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	5	Only one of MEA08 or MEA03 may be present.
Semantic Notes:	**1**	MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	**1**	When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	*Use to identify the new unit of issue and associated conversion factor.*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**MEA01**	**737**	**Measurement Reference ID Code**	**O**	**ID 2/2**
			Code identifying the broad category to which a measurement applies		
			CF Conversion Factor		
			Use to identify the conversion factor associated with the new unit of issue.		
Not Used	**MEA02**	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies		
Must Use	**MEA03**	**739**	**Measurement Value**	**X**	**R 1/20**
			The value of the measurement		
			1. Use to identify the factor by which the old quantity must be multiplied to convert to the new unit of issue.		
			2. Express as a number with decimal positions.		
Must Use	**MEA04**	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Use to identify the new or corrected unit of issue for the reported item. DLMS users see the Unit of Issue and Purchase Unit Conversion Table		

for available codes.

Not Used	C00102	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00103	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
Not Used	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
Not Used	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
Not Used	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement		

value cannot be determined

| Not Used | MEA09 | 752 | **Surface/Layer/Position Code** | **O** | **ID 2/2** |

Code indicating the product surface, layer or position that is being described

| Not Used | MEA10 | 1373 | **Measurement Method or Device** | **O** | **ID 2/4** |

The method or device used to record the measurement

Segment: **N1** Name

Position:	156
Loop:	0311 Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	*1. Must use one iteration of this 2/N1/156 loop to identify the organization to receive the transaction.*
	2. Use additional iterations to identify other organizations associated with the transaction.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

KA	Item Manager

The address of the person responsible for the management of an item of supply

Use to indicate the corrected inventory manager associated with the material.

SB	Storage Area

Use to identify the storage facility requiring data record changes.

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N102	93	**Name**	**X**	**AN 1/35**

Free-form name

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)

			M4	Department of Defense Routing Identifier Code (RIC)		
				An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/20**
			Code identifying a party or other code			
Not Used	**N105**	**706**	**Entity Relationship Code**		**O**	**ID 2/2**
			Code describing entity relationship			
	N106	**98**	**Entity Identifier Code**		**O**	**ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual			
			TO	Message To		

Use with 2/N101/156 code SB to indicate the organization cited in 2/N104/156 is receiving the transaction.

Segment:	**LM** Code Source Information	
Position:	180	
Loop:	0313	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To transmit standard code list identification information	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** LM02 identifies the applicable industry code list source information.	
Notes:	*Must use the 2/LM/180 loop to identify coded information maintained in department or agency documentation.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LM01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			DF Department of Defense (DoD)		
Not Used	LM02	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		

Segment:	**LQ** Industry Code	
Position:	190	
Loop:	0313	Optional (Must Use)
Level:	Detail	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	**1**	If LQ01 is present, then LQ02 is required.
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LQ01	1270	**Code List Qualifier Code**	O ID 1/3

Code identifying a specific industry code list

> 93 Type of Storage Code
>
> The storage requirements for material
>
> *Use to identify the new item type storage code.*

> EF Correction or Change for Storage Item Records Code
>
> Indicates the nature of the change actions to be taken and the affected data fields
>
> *Use to identify the type of change associated with the transaction.*

> EQ Controlled Inventory Item Code
>
> Categorizes pilferable items
>
> *Use to identify the new controlled inventory item code.*

> FD Demilitarization Code
>
> Identifies the action necessary to prevent the further use of equipment and material for its originally intended purpose
>
> *Use to identify the new demilitarization code.*

> FE Shelf Life Code
>
> The storage time period or perishability of an item
>
> *Use to identify the new shelf life code.*

> FG Source Maintenance and Recoverability Code
>
> Codes that provide source, maintenance, and recoverability data for material that can be repaired
>
> *Use to identify the new Source Maintenance and Recoverability (SMR) code.*

Must Use   **LQ02**   **1271**   **Industry Code**   **X**   **AN 1/30**

Code indicating a code from a specific industry code list

Segment: **SE** **Transaction Set Trailer**

Position: 200

Loop:

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1   SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
			Cite the same number as the one cited in ST02.		